## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO.   | DATE      |
|---------------------------|----------|--|-----------|
|                           |          |  | •         |
| FEE DETERMINATION         | (1)      |  | 9.25.00   |
| O.I.P.E. CLASSIFIER       | KIM      | <u>                                       </u> | 4/30/3000 |
| FORMALITY REVIEW          |          |  | 177       |
| RESPONSE FORMALITY REVIEW |          | 6750>  | 17.6 00   |
|                           |          |  |           |

## INDEX OF CLAIMS

| ,        | Rejected                   |   | Non-elected  |
|----------|----------------------------|---|--------------|
| =        | Allowed                    |   | Interference |
|          | (Through numeral) Canceled |   | Appeal       |
| <u>-</u> | Restricted                 | 0 | Objected     |

|          |            |                |          |     |  |         |              | _            | π        | hro      | ula          | h n      | ume      | ral)     | C        | and        | :ele      | be        | d                                      |                         |           |              | A<br>0   |                    |           |              |          |          | •••••    | Ap<br>Ob      | pea<br>ject | l<br>ed      |          |              |              |    |
|----------|------------|----------------|----------|-----|--|---------|--------------|--------------|----------|----------|--------------|----------|----------|----------|----------|------------|-----------|-----------|--|-------------------------|-----------|--------------|----------|--------------------|-----------|--------------|----------|----------|----------|---------------|-------------|--------------|----------|--------------|--------------|----|
|          |            |                |          |     |  |         | _            | ÷<br>        |          |          | ••••         | ••••     |          | •••••    |          |            |           | -         |  |                         | _         |              | _        |                    |           |              |          |          | _        | airn          |             |              |          |              | Da           | te |
| Cla      | im         | L              |          | 4   |  |         | D            | ate          | ı        |          |              |          |          |          | Cli      | im         |           | 1         |  | =-                      |           | Dat          | e        |                    | _         |              | ႕        |          |          | $\overline{}$ | $\neg$      | $\neg$       | -т       | _            | Da           | Ť  |
| Finel    | Ontginal   | 1900/1         | 1111     | 726 | 1903   | 20/1/2/ | 1-11-        |              |          |          |              |          |          |          | Final    | Original   | C 9/1/19  |           | 1900                                   | collado                 |           |              |          |                    |           |              |          |          | Final    | Original      |             |              |          |              |              | -  |
|          | Ø.         | E              |          |     | _  |         | Ϊ            | 1            |          |          |              |          |          |          |          | 94<br>58   | K         | 1         | 4                                      | 4                       | _         |              | _        | -                  | -         | _            | Н        |          | ⊢        | 101           | +           | $\dashv$     | -        |              | ├            | +  |
| \$       | /2         | П              | 4        | Н   |  | L       | ╀            | +            | -        | _        | _            | ├-       | Н        |          | ├-       | 53         | H         | 1         | $\forall$                              | ᅱ                       |           |              | $\vdash$ | ╁                  | -         | Н            | Н        |          | ┢        | 103           | 十           | 7            |          | _            | T            | t  |
| -        | 3          | -              | 4        | H   | _  | -       | ╀            | +            | -        |          | -            | ╀        | Н        |          | ┝        | 54         | H         | ۲         | $\exists$                              | $\dagger$               |           |              | ┢        | -                  |           | ┢            |          |          |          | 104           | $\exists$   | $\exists$    |          | -            | Ŀ            | İ  |
| 1        | 4          |                | +        | H   |  | H       | ╁            | +            | +        |          | H            | ╁╴       | Н        |          |          | 55         | П         | Ī         | П                                      | $\coprod$               |           |              |          |                    |           |              |          |          |          | 105           | $\Box$      |              |          | <u> </u>     | L            | 1  |
|          | В          | Ħ              | t        | Ħ   |  |         | T            | +            | 1        |          |              |          |          |          |          | 56         | П         | I         | П                                      | $\prod$                 |           | _            |          | L                  | _         | L            |          |          | _        | 106           | _           | $\dashv$     |          | -            | , išq        | 1  |
|          | 7          | $\coprod$      | I        | П   |  |         | Ι            |              | $\Box$   |          |              | L        |          |          | '        | <b>(5)</b> | Ц         | Ψ         | 4                                      | 4                       |           | <u> </u>     | L        | <del> </del> —     | -         | ┞            | -        |          | $\vdash$ | 107           | -           | $\dashv$     | ۲        | <u> </u>     | $\vdash$     | +  |
|          | 1          | П              | L        | Ц   |  | L       | ļ.           | $\downarrow$ | _        |          | L            | Ļ        | $\vdash$ |          | _        | 50         | _         | +         | -                                      | $\dashv$                |           | ┝            | -        | ┼─                 | ├         | $\vdash$     | -        |          | $\vdash$ | 109           | $\dashv$    | -            | -        | <del> </del> |              | 1  |
| _        | 1          | Ц              | 4.       | Ц   |  | L       | 1            | 4            |          |          | -            | -        | ╀╌       |          |          | 60         | ₩         | +,        | d                                      | ᅱ                       | _         | <del> </del> | ┝        | ╁                  | ┝         | ├-           | $\vdash$ | '        |          | 110           | 7           | $\dashv$     |          | _            | Ħ            | †  |
| H        | (1)<br>(1) | H              | 4;       | K   |  | ┝       | ╀            | +            | ┥        |          | ┝            | ╀        | $\vdash$ |          | ┝        | 61         | H         | $\dagger$ | H                                      | 7                       |           | -            | $\vdash$ | +                  | ┢         | $\vdash$     | $\vdash$ |          |          | 111           | -1          |              |          | Γ            |              | 1  |
| -        | 1          | H              |          | _   | 1  | H       | +            | +            | ┪        |          | 1            | 1        | 1        |          | 一        | 62         | Ħ         | †         | H                                      | Ħ                       |           |              | Г        |                    | -         |              |          | ŀ        |          | 112           | $\Box$      |              |          |              | L            | ]  |
|          | 10         |                | _        | v   | -  | t       | †            | _            | $\dashv$ | Т        | Ι            | Τ        | 1        |          |          | 63         |           | I         | ☐                                      | $\Pi$                   |           |              |          |                    | Ŀ         |              |          |          | L        | 113           |             |              |          | L            | $\perp$      | 4  |
|          | 1          |                | h        | 1   |  |         |              | 1            |          |          |              |          |          |          |          | 63         | П         | ļ         | Ц                                      | Ц                       |           | L            | L        | ↓_                 | _         | L            | ↓_       |          | $\vdash$ | 114           |             |              |          | -            | ÷            | +  |
|          | 15         |                | П        | יי  |  |         | I            | $\Box$       |          |          |              | L        | ┖        |          | L        | 65         | Ц         | 4         | Н                                      | $\downarrow \downarrow$ | _         | ļ            | Ļ        | ╂                  | ├-        | ┞            | -        |          | $\vdash$ | 115<br>116    |             | H            | -        | -            | ╀            | ┨  |
|          | 10         | 1              | L.       | 4   | _  | L       | 1            | 4            | _        | _        | _            | ╀        | $\vdash$ |          | Ŀ        | 66<br>67   | H         | +         | Н                                      | +                       |           | ├            | ┝        | ╁┈                 | $\vdash$  | ╀╌           | -        |          | $\vdash$ | 117           | $\dashv$    |              | H        | ╁╴           | +.           | -  |
| _        | 1/2        |                | Ψ        | 7   |  | ┞       | +            | +            | _        | _        | H            | ╀        | ╀        | ł        | ⊣        | 68         | Н         | Н         | Н                                      | ╢                       |           | $\vdash$     | ╁        | +                  | -         | -            | +-       | 1        | -        | 118           |             |              | È        | H            | 1            | 1  |
| -        | 19         |                | ⊬        | Н   | _  | ╀       | +            | +            | -        | -        | ┞            | ╁        | +        |          | $\vdash$ | 6          | Н         | H         | H                                      | +                       |           | ┢            | 1        | 1.                 | Ť         | †            | ╁        | 1        | r        | 119           |             |              | Γ        | Г            | T            | 7  |
| -        | 4          |                | ╟        | Н   |  | ╁       | +            | $\dashv$     |          | H        | ╁╴           | +-       | ╁        | 1        | 卜        | 70         |           | H         | H                                      | #                       | ┪         | H            | 1        | +                  | ✝         | Τ            |          | 1        | Γ        | 120           |             |              | Γ        | Γ            | T            |    |
| -        | d          | +              | ₩        | Н   | ·-   | ╀       | +            | +            | -        | ┝        | ╁            | +        | 十        | 1        | $\vdash$ | 71         | -         | H         | H                                      | #                       | $\vdash$  | 十            | T        | 1                  | T         | T            | 1        | 1        |          | 121           |             |              |          |              | I            |    |
|          | 8          | <del>}</del> - | ╫        | H   | -  | 1       | +            | 7            |          | ┢        | Ħ            | ✝        | T        | 1        | Г        | 72         |           | 7         | Ħ                                      | 7                       |           | Γ            |          |                    |           | L            |          | ].       |          | 122           |             | Ŀ            |          | L            | $\perp$      | _  |
|          | (O) (O)    | 1              | #        | 9   |  | T       | †            | 7            |          |          |              | Ι        | 1        | T        |          |            | V         | 4         | V                                      | (                       |           | L            |          | L                  | L         | ┸            | 1        |          | L        | 123           |             | L            | <u> </u> | igdash       | +            | _  |
|          | Į.         | 1              |          | 2   | V  | -       |              | $\Box$       |          |          | L            | L        |          | ]        | _        | 74         |           | 4         | _                                      |                         | Ŀ         | ┡            | 1        | +                  | 1         | ╄-           | +        | 1:       | $\vdash$ | 124<br>125    |             | $\vdash$     | ┝        | ╀            | ╁            | -  |
|          | 25         |                | 1        | 1   | Ц  | 1       | _            | 4            |          | L        | Ļ            | 1        | 1.       |          | L        | 75         | -         | 4         | 4                                      | -                       | L         | ╀            | ╀        | +                  | ╀         | 1            | ╁        | '        | $\vdash$ | 126           | -           | ┝            | ├        | ╁            | 十            | -  |
| <u>_</u> | 26         |                | ļ        | ₽   | H  | 1       | ٠,           | -            |          | ┞        | ╀            | ╀        | ╁        | 4        | $\vdash$ | 76         |           | +         | -                                      | -                       | ┢         | ╁            | ╁        | 十                  | 十         | ╁            | +-       | 1        | $\vdash$ | 127           | -           | 十            | t        | t            | †            | _  |
| ŀ        | 21         | _              | -        | L   | ╂  | 1       | 4            | -            |          | ⊢        | ╀            | +        | ┿        | 1        | ┢        | 78         |           | 7         | -                                      | Ι-                      | ┢         | ╁            | +        | +                  | +         | $^{\dagger}$ | 十        | 1        | 1        | 128           | 一           | 厂            | 1        | T            | T            | _  |
| F        | 21         |                | 4        | ţ   | H  | 1=      | ₽            | +            | _        | $\vdash$ | ╁            | +        | +        | 1        | $\vdash$ | 79         |           | 1         | _                                      | T                       | r         | T            | t        | 十                  | 1         | T            |          | 1        |          | 129           |             |              | L        | Ι            | I            | _  |
| H        | 16         |                | +        | ۲   | IT   | 1:      | -            | _            |          | T        | 十            | +        | $\top$   | 1        |          | 80         | וכ        |           |  |                         |           | T            | I        | T                  | I         | I            | I        | ]        |          | 130           | -           | Ŀ            | L        | ╀            | 1            | _  |
|          | 3          |                | 1        | T   | I  | ı       | 7            |              |          |          | 1            | I        |          | ]        |          | 8          | -         |           |  |                         |           |              | I        | Ŀ                  | Ļ         | 1            | 1        | 4        | $\perp$  | 13            |             | ┡            | 1        | 4            | 4            | _  |
| L        | 3          |                |          | I   | П  | ŀ       | _            |              |          |          | 1            | 1        | $\perp$  | 1        |          | 8:         | -         | _         |  | Ļ                       | ╄         | ╀            | 1        | $\bot$             | 1         | $\bot$       | +        | -        | F        | 132           |             | ╀            | ╀        | ╀            | ╪            | -  |
|          | 3          |                | 4        | 4   | Ц  | 1       | 4            |              |          | ╀        | 4            | +        | +-       | 4        | -        | 8          | _         | 4         | -                                      | ⊢                       | ╀         | ╀            | +        | +                  | +         | ╀            | +        | -        | -        | 13            |             | ╁            | 十        | ╁            | +            | -  |
|          | 3          | -              | 4        | 4   | Н  | F       |              |              | -        | ╀        | +            | +        | +        | -        | H        | 8          |           | _         |  | ╁                       | ╀         | ╁            | ╁        | +                  | +         | ╁            | ╅        | +        | H        | 13            |             | ╁            | ╁        | +            | +            | -  |
| -        |            | 5              | $\dashv$ | +   | ₩  | _       |              | _            | -        | ┿        | ╁            | +        | +        | 1        | -        | 8          |           | _         | Ι                                      | H                       | t         | $\dagger$    | Ť        | +                  | $\dagger$ | $^{\dagger}$ | $\top$   | 1        | 卜        | 130           |             | T            | T        |              | İ            | _  |
| $\vdash$ | ⊀          | 1              | -        | H   | ۲  | +       | ٦            |              | t        | t        | +            | +        | +        | 1        | T        | 8          | 7         |           | Г                                      | T                       |           | T            |          |                    | Ι         |              |          | 1        |          | 13            | -           | $oxed{\Box}$ | L        | I            | ightharpoons | _  |
| -        | 8          | रो             |          | П   | t  | 1       |              |              |          | Ţ        | I            | 1        | I        | ]        |          | 8          |           |           |  | L                       | L         | I            | I        | $\perp$            | I         | 1            | $\perp$  |          | L        | 138           |             | ╄            | $\perp$  | 4            | 4            | _  |
|          | 3          | 19             |          |     | l  | 1       | 7            | _            |          | I        | I            | $\perp$  | $\bot$   | 4        | L        | 8          | -         |           | _                                      | $oldsymbol{\perp}$      | ╀         | 4            | 4        | +                  | +         | +            |          | 4        | $\vdash$ | 139           | _           | ╀            | ╀        | +            | +            | _  |
| Γ        | 14         | Ю              |          |     | Ш  | $\perp$ | $\mathbf{L}$ |              | L        | ┸        | 1            | 4        | 4.       | 4        | L        |            | 0         |           | ├-                                     | $\perp$                 | 1         | 4-           | +        | -                  | $\perp$   | +            | -        | 4        | -        | 14            |             | ╀            | ╀        | +            | +            | _  |
|          |            | 11             |          | Ц   | Щ  | Ц       | 1            | _            | L        | +        | 4            | 4        | 4        | 4        | -        |            | 1         | _         | $\vdash$                               | +                       | +         | +            | +        | +                  | +         | +            | +        | 4        | $\vdash$ | 14            |             | +            | +        | +            | +            | _  |
|          |            | 2              | _        | Ц   | 4.   | ¥       | 1            | ļ            | 1        | +        | +            | +        | +        | -        | $\vdash$ | _          | 2         |           | ⊢                                      | ╁                       | +         | +            | +        | +                  | +         | +            | +        | $\dashv$ | }        | 14            |             | +            | 十        | 十            | 十            | -  |
| L        |            | 3              | <u> </u> | Н   | 4  | 4       | U            | -            | ╁        | +        | +            | $\dashv$ | +        | $\dashv$ | 1        | -          | 4         |           | $\vdash$                               | +                       | $\dagger$ | +            | +        | +                  | +         | $\dagger$    | +        | 1        | r        | 14            | -           | $^{\dagger}$ | †        | +            | $\dagger$    | -  |
| Ļ        |            | XX             |          | Н   | $\!$ | +       | _            | -            | +        | +        | +            | $\dashv$ | +        | $\dashv$ | -        |            | 5         |           | T                                      | t                       | $\dagger$ | +            | T        | $\dagger$          | +         | +            | T        | 1        | t        | 14            |             | İ            | 士        | 士            | 士            | _  |
| +        | _          | 46             | _        | Н   | Hi   | ᅥ       | 7            | 1            | †        | T        | 1            | 1        | _†       |          | T        | [8         | 6         |           | Γ                                      | Ι                       | Ι         | I            | 1        | I                  | I         | I            | I        | ]        |          | 14            | _           | I            | I        | I            | I            |    |
| +        |            | 17             | _        | T   | IT   | $\int$  | J            |              | Ι        | I        | $\Box$       |          | $\Box$   |          |          |            | 7         |           | L                                      | $\perp$                 | $\perp$   | $\perp$      | $\perp$  | $oldsymbol{\perp}$ | $\perp$   | $\perp$      | $\perp$  | $\perp$  |          | 14            | -           | $\downarrow$ | $\perp$  | 1            | $\downarrow$ | _  |
| f        | 1          | 48             |          |     | I  | П       | 1            | L            | T        | Ţ        | $\downarrow$ | $\Box$   | 4        | 4        | F        |            | 8         |           | $\perp$                                | 4                       | 4         | 4            | 4        | 4                  | 4         | 4            | 4        | 4        | F        | 14            | +-          | +            | +        | ŀ            | +            | :  |
|          |            | 49             |          | 1_  | 7  | Ų       | Ų            | <del> </del> | +        | +        | +            | 4        | +        | 4        | -        |            | 99<br>00  |           | ╀                                      | +                       | +         | +            | +        | +                  | +         | $\dashv$     | +        | 4        | H        | 14            |             | +            | +        | +            | +            | _  |
| Ĺ        | _1         | 3              | _        | Ŀ   | 4  | 4       | ~            | 1_           | _        | _        |              | _        |          |          | L        | !          | <u>~4</u> |           | ــــــــــــــــــــــــــــــــــــــ |                         | ட         | _1_          | i_       |                    | L_        | L            |          |          | L        | li 3          | ٦           | _            |          |              |              | _  |

If more than 150 claims or 10 actions staple additional sheet here

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